

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
 Data File : VV036301.D
 Acq On : 27 Jun 2024 10:11
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 28 00:44:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:39:40 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	398333	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	394877	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	189287	25.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	167677	24.786	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.160%
7) Chloroethane-d5	1.526	69	133035	24.621	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.480%
11) 1,1-Dichloroethene-d2	2.050	65	76728	24.127	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.520%
21) 2-Butanone-d5	3.835	46	55582	35.401	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.800%
24) Chloroform-d	4.240	84	280105	23.823	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.280%
26) 1,2-Dichloroethane-d4	4.934	65	156574	24.971	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.880%
32) Benzene-d6	4.950	84	570396	25.589	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.360%
36) 1,2-Dichloropropane-d6	5.982	67	173482	25.874	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.480%
41) Toluene-d8	7.240	98	498153	24.786	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.160%
43) trans-1,3-Dichloroprop...	7.551	79	74123	24.756	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.040%
47) 2-Hexanone-d5	8.031	63	44207	41.305	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.600%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	130721	23.784	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.120%
66) 1,2-Dichlorobenzene-d4	11.558	152	185964	26.960	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.840%

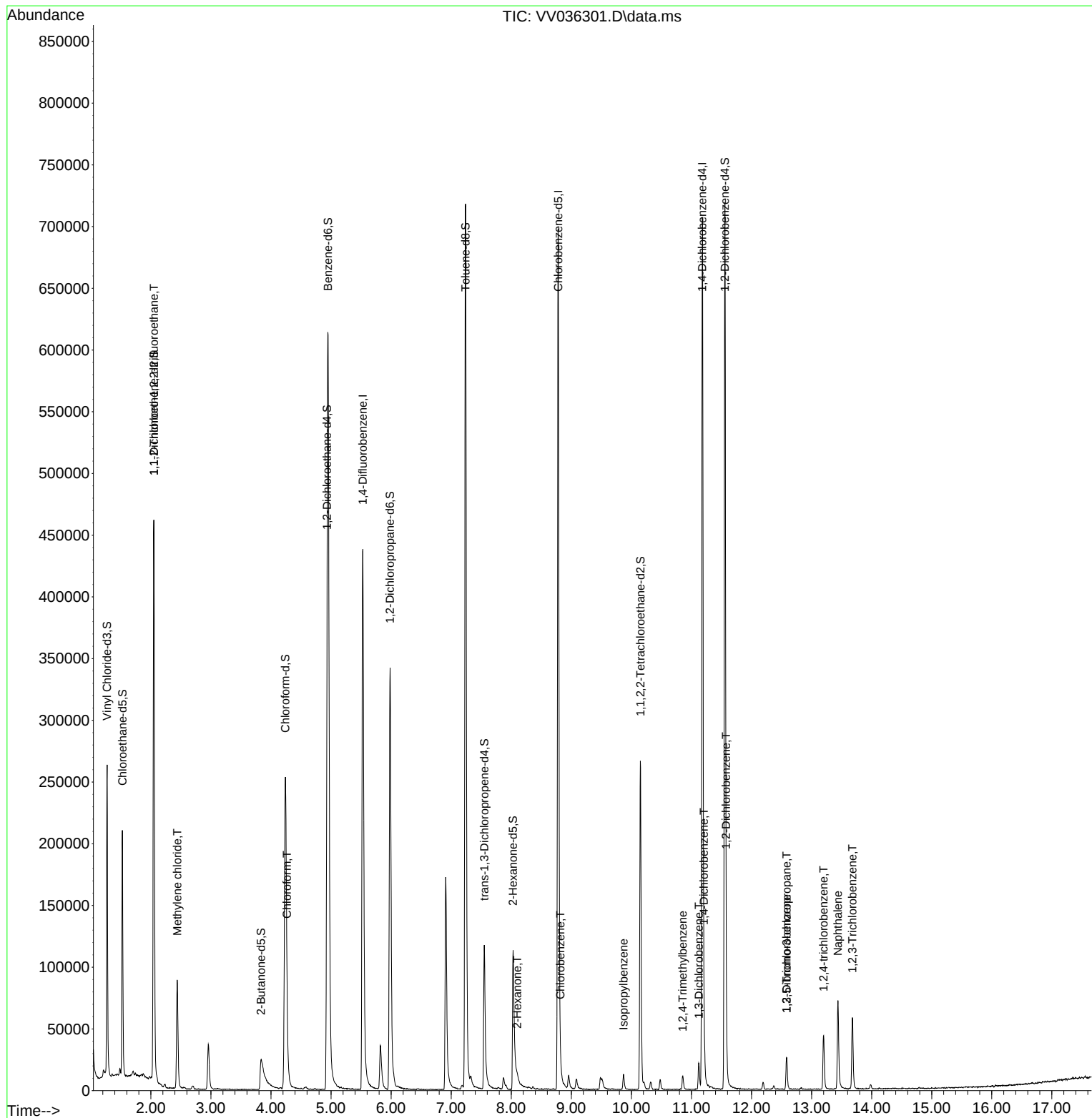
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.050	101	2754	0.389	ug/L #	47
16) Methylene chloride	2.439	84	39746	5.068	ug/L	99
25) Chloroform	4.265	83	9115	0.772	ug/L	87
48) 2-Hexanone	8.101	43	4166	1.572	ug/L #	77
51) Chlorobenzene	8.818	112	7056	0.422	ug/L	93
60) Isopropylbenzene	9.870	105	7910	0.346	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	6579	0.370	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	9606	0.806	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	12985	1.016	ug/L	92
67) 1,2-Dichlorobenzene	11.577	146	12160	1.068	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.583	75	1550	1.617	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.583	180	8900	0.991	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	15264	2.132	ug/L	98
71) Naphthalene	13.439	128	62921	4.929	ug/L	99
72) 1,2,3-Trichlorobenzene	13.680	180	17039	2.531	ug/L	98

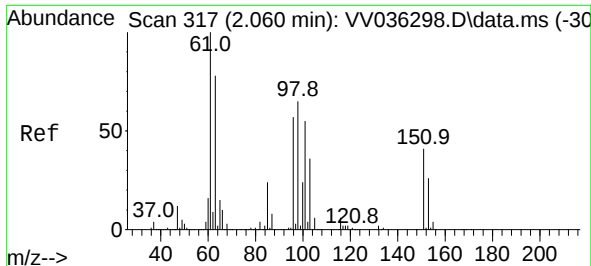
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jun 28 00:39:40 2024
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.389 ug/L

RT: 2.050 min Scan# 317

Delta R.T. -0.010 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

Instrument :

MSVOA_V

ClientSampleId :

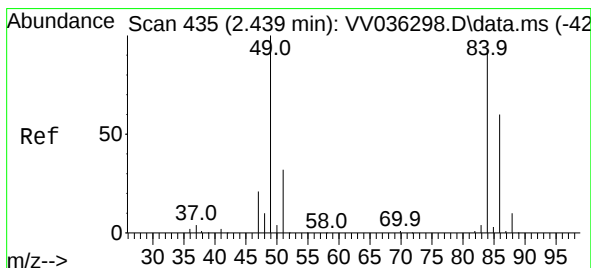
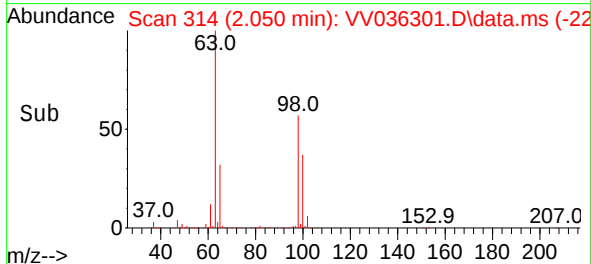
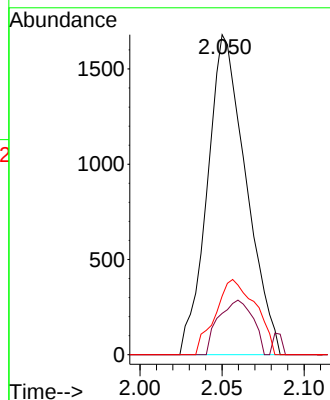
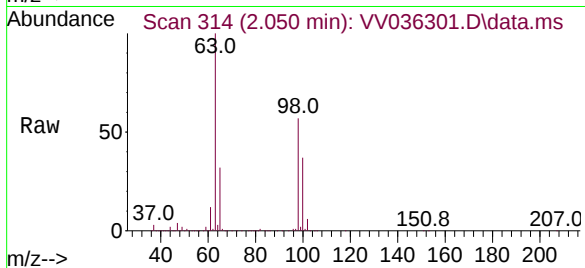
Tgt Ion:101 Resp: 2754

Ion Ratio Lower Upper

101 100

85 15.0 34.6 51.8#

151 24.4 58.9 88.3#



#16

Methylene chloride

Concen: 5.068 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

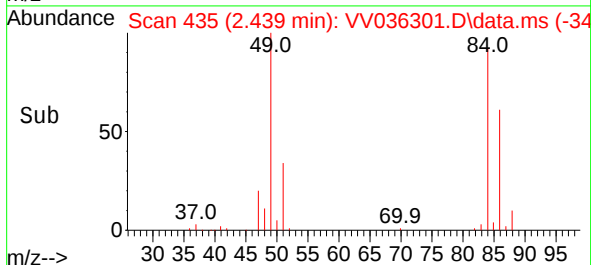
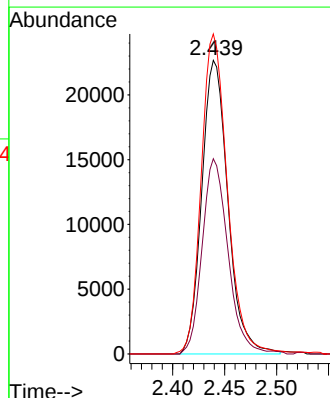
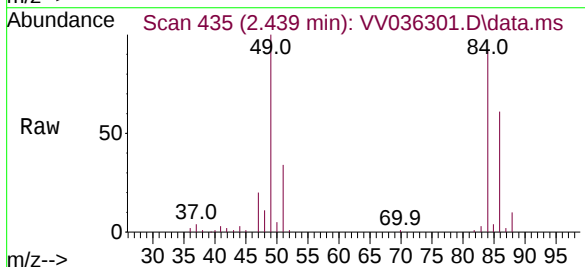
Tgt Ion: 84 Resp: 39746

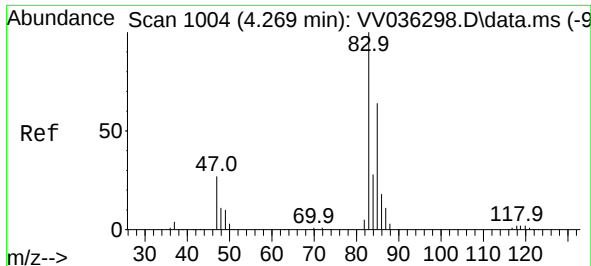
Ion Ratio Lower Upper

84 100

86 66.5 45.6 84.8

49 109.0 75.7 140.5





#25

Chloroform

Concen: 0.772 ug/L

RT: 4.265 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

Instrument :

MSVOA_V

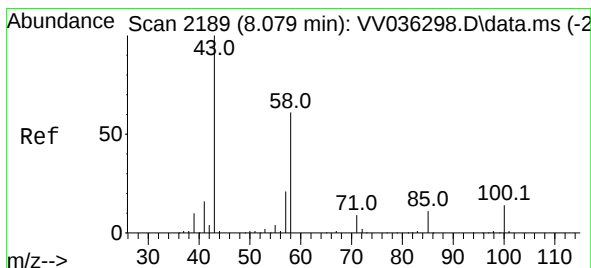
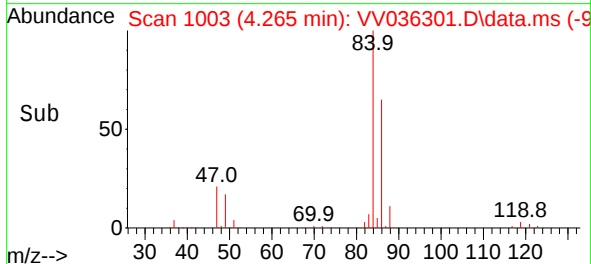
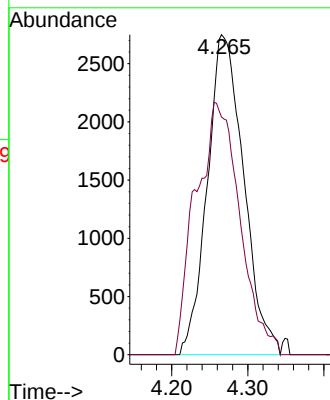
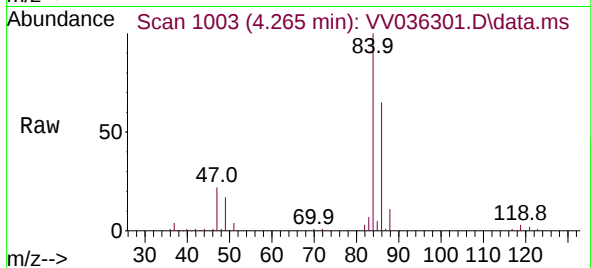
ClientSampleId :

Tgt Ion: 83 Resp: 9115

Ion Ratio Lower Upper

83 100

85 74.3 45.0 83.6



#48

2-Hexanone

Concen: 1.572 ug/L

RT: 8.101 min Scan# 2196

Delta R.T. 0.022 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

Tgt Ion: 43 Resp: 4166

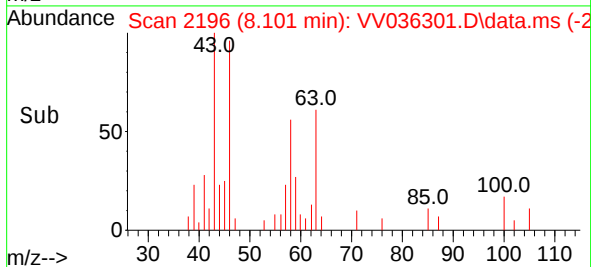
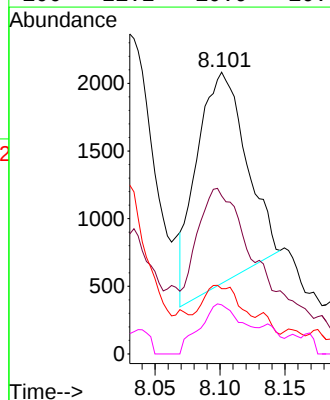
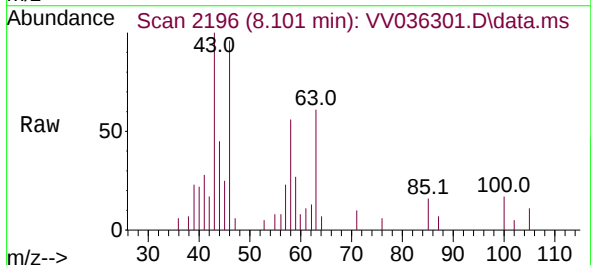
Ion Ratio Lower Upper

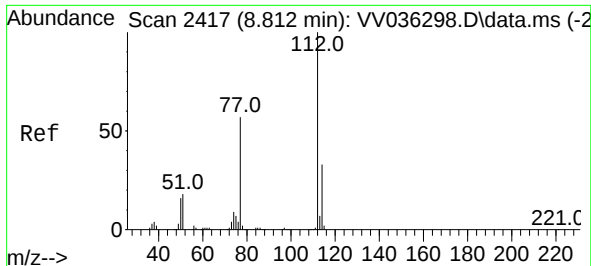
43 100

58 44.9 48.5 72.7#

57 4.8 15.8 23.6#

100 21.2 10.9 16.3#





#51

Chlorobenzene

Concen: 0.422 ug/L

RT: 8.818 min Scan# 2417

Delta R.T. 0.006 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

Instrument :

MSVOA_V

ClientSampleId :

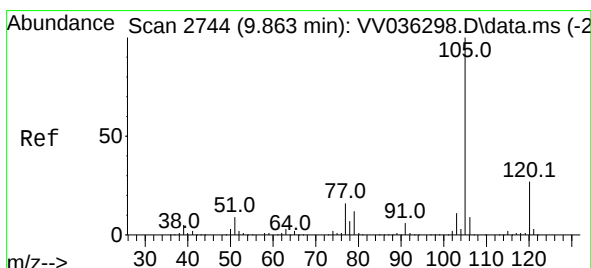
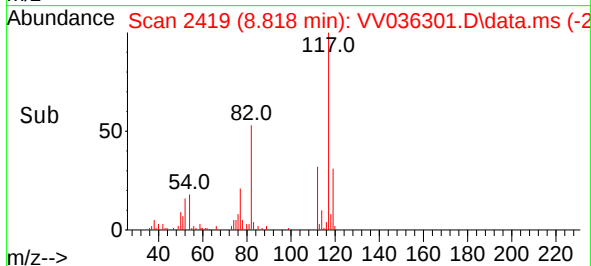
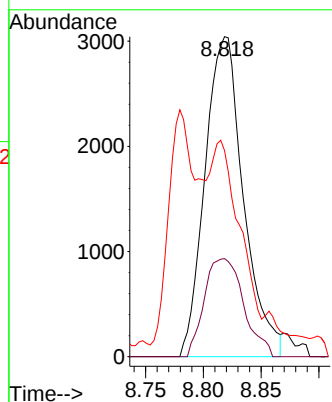
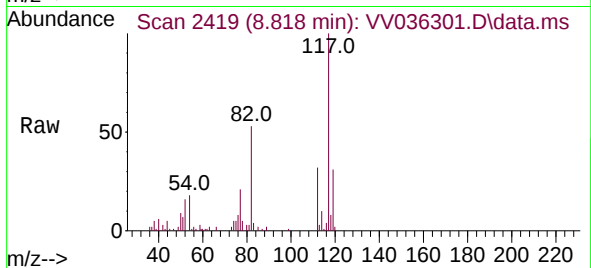
Tgt Ion:112 Resp: 7056

Ion Ratio Lower Upper

112 100

114 30.7 22.8 42.4

77 64.4 46.2 69.2



#60

Isopropylbenzene

Concen: 0.346 ug/L

RT: 9.870 min Scan# 2746

Delta R.T. 0.006 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

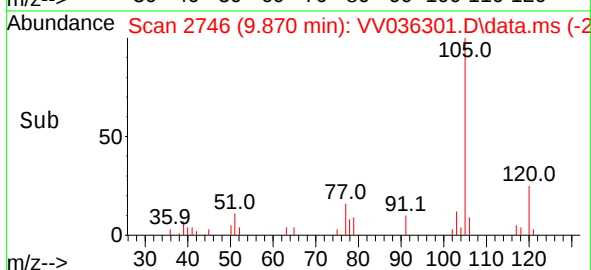
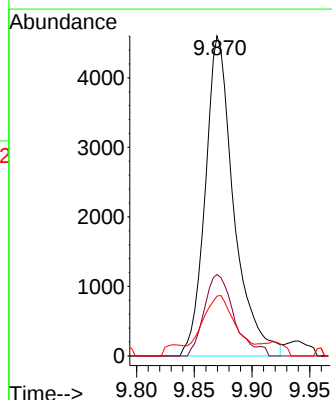
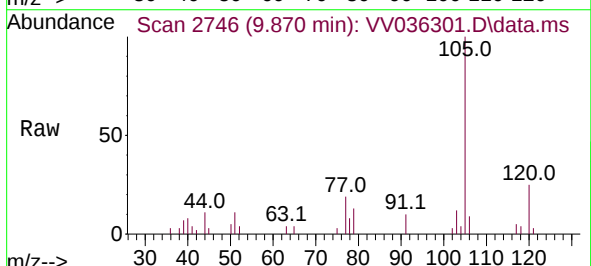
Tgt Ion:105 Resp: 7910

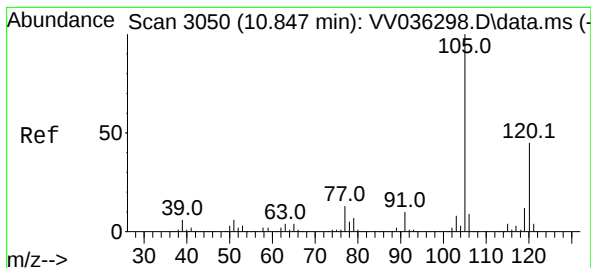
Ion Ratio Lower Upper

105 100

120 25.8 21.2 31.8

77 17.5 12.5 18.7





#63

1,2,4-Trimethylbenzene

Concen: 0.370 ug/L

RT: 10.854 min Scan# 3050

Delta R.T. 0.006 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

Instrument :

MSVOA_V

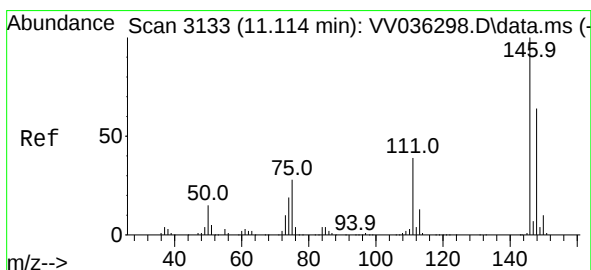
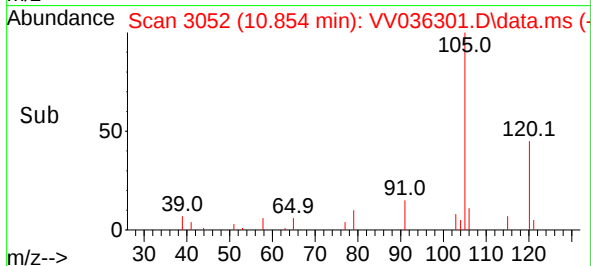
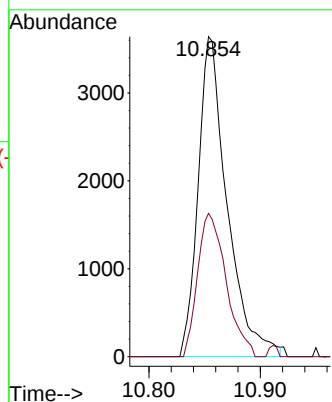
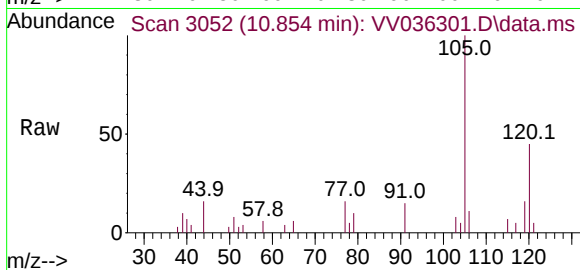
ClientSampleId :

Tgt Ion:105 Resp: 6579

Ion Ratio Lower Upper

105 100

120 44.0 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 0.806 ug/L

RT: 11.124 min Scan# 3136

Delta R.T. 0.010 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

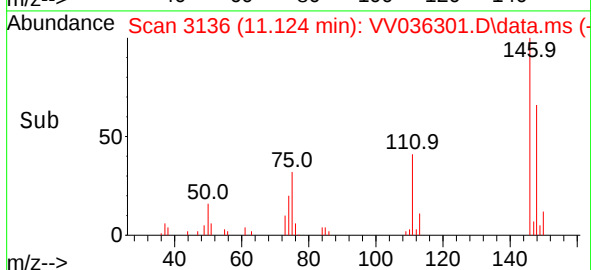
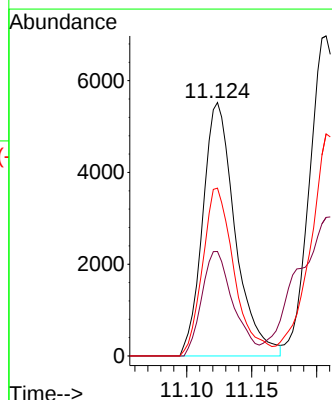
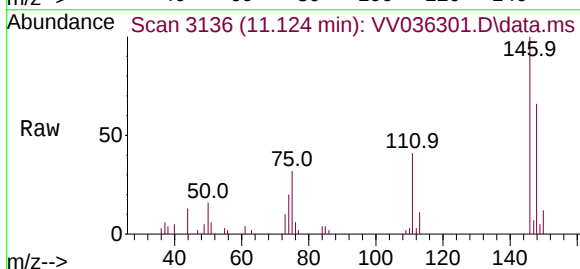
Tgt Ion:146 Resp: 9606

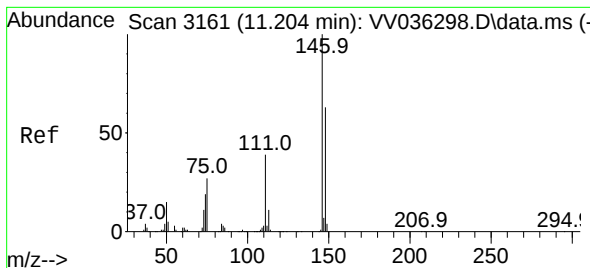
Ion Ratio Lower Upper

146 100

111 41.2 27.5 51.1

148 66.2 44.9 83.3





#65

1,4-Dichlorobenzene

Concen: 1.016 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

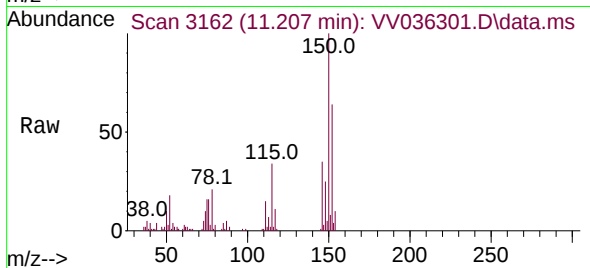
Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

Instrument :

MSVOA_V

ClientSampleId :



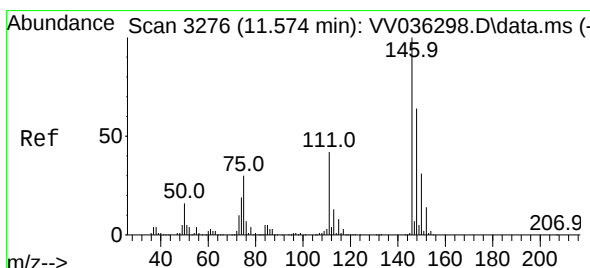
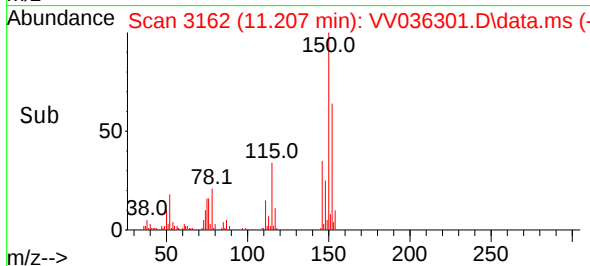
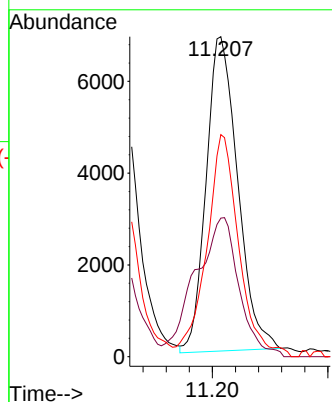
Tgt Ion:146 Resp: 12985

Ion Ratio Lower Upper

146 100

111 43.3 27.5 51.1

148 69.4 44.0 81.8



#67

1,2-Dichlorobenzene

Concen: 1.068 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

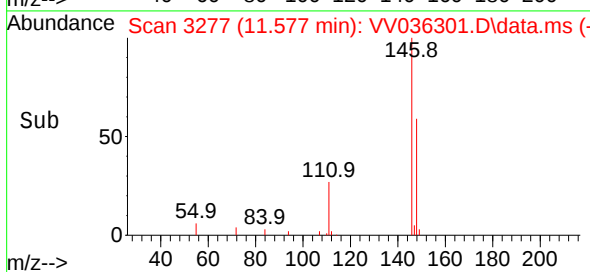
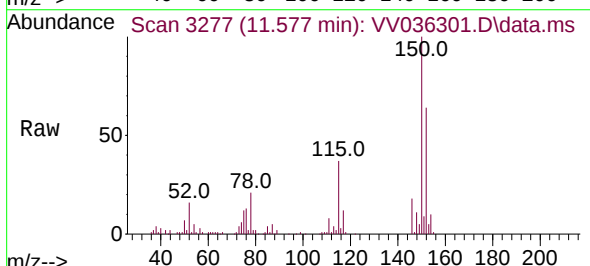
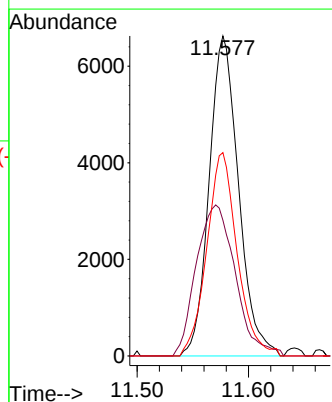
Tgt Ion:146 Resp: 12160

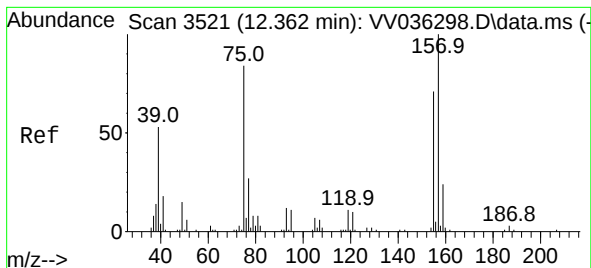
Ion Ratio Lower Upper

146 100

111 42.4 33.3 49.9

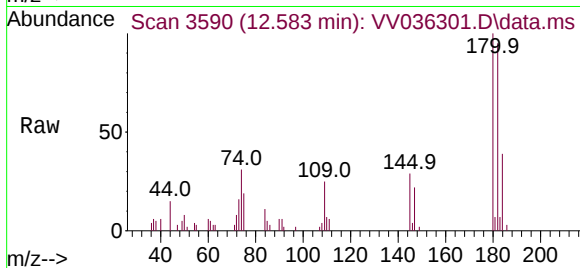
148 63.6 51.1 76.7



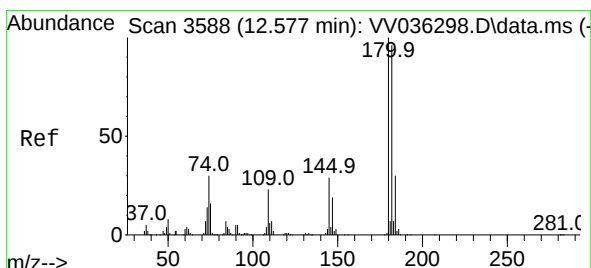
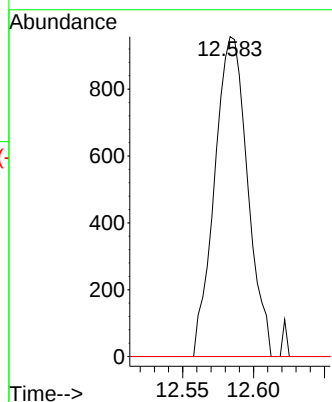
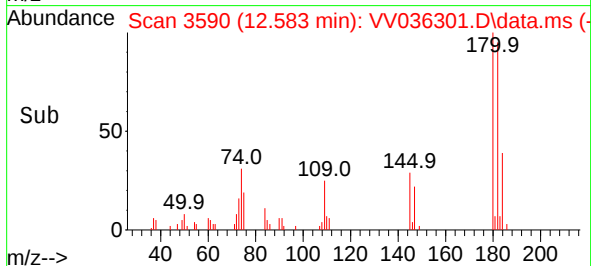


#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.617 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.222 min
 Lab File: VV036301.D
 Acq: 27 Jun 2024 10:11

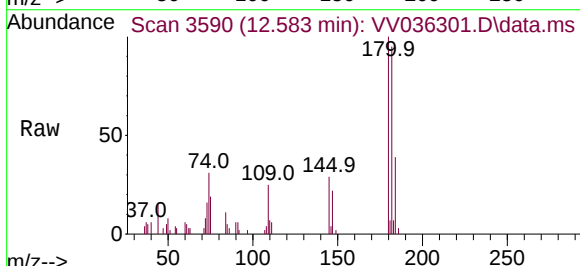
Instrument :
 MSVOA_V
 ClientSampleId :



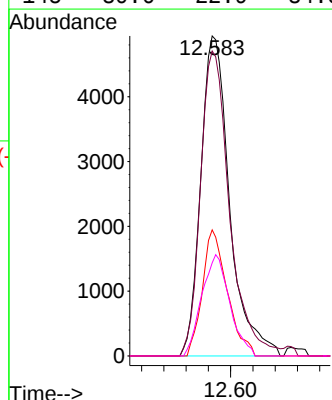
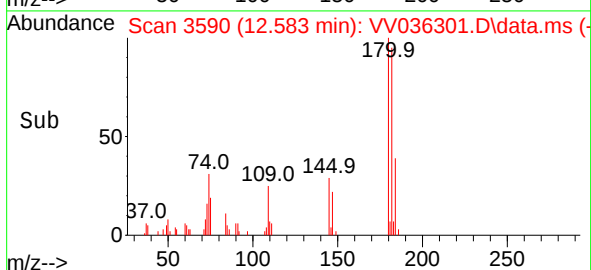
Tgt Ion: 75 Resp: 1550
 Ion Ratio Lower Upper
 75 100
 155 0.0 68.3 102.5#
 157 0.0 95.7 143.5#

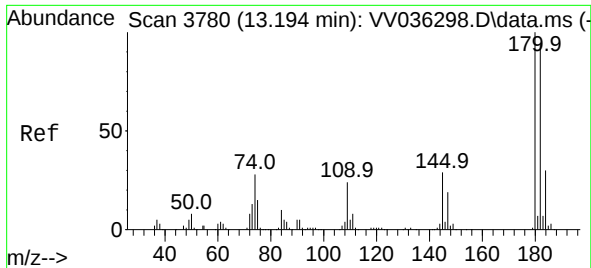


#69
 1,3,5-Trichlorobenzene
 Concen: 0.991 ug/L
 RT: 12.583 min Scan# 3590
 Delta R.T. 0.006 min
 Lab File: VV036301.D
 Acq: 27 Jun 2024 10:11



Tgt Ion: 180 Resp: 8900
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.4
 184 33.8 23.3 34.9
 145 30.6 22.9 34.3





#70

1,2,4-trichlorobenzene

Concen: 2.132 ug/L

RT: 13.201 min Scan# 3780

Delta R.T. 0.006 min

Lab File: VV036301.D

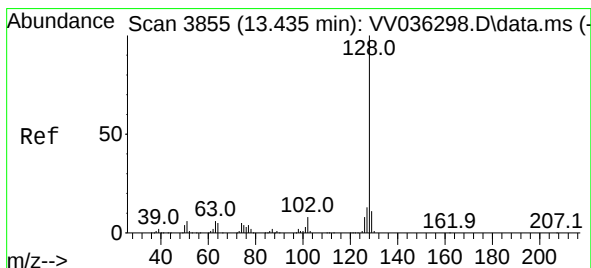
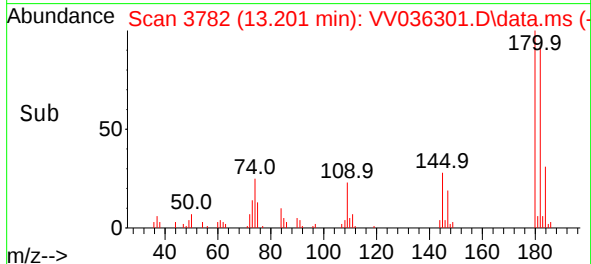
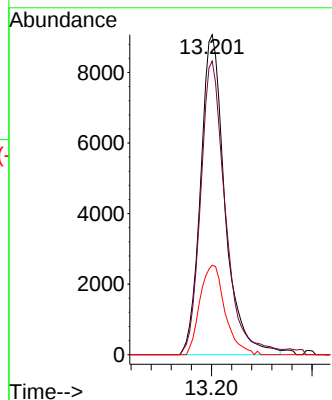
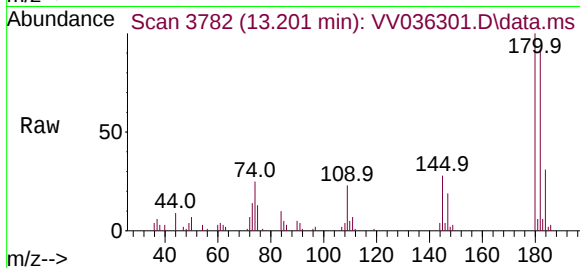
Acq: 27 Jun 2024 10:11

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180	Resp:	15264
Ion Ratio	Lower	Upper
180	100	
182	93.4	76.1 114.1
145	28.6	23.8 35.8



#71

Naphthalene

Concen: 4.929 ug/L

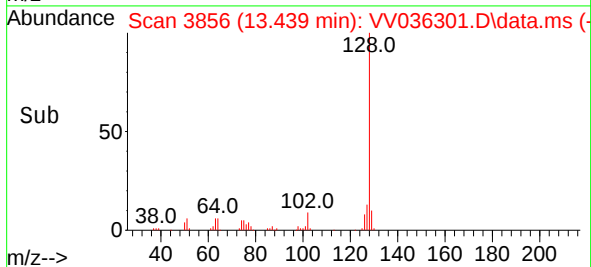
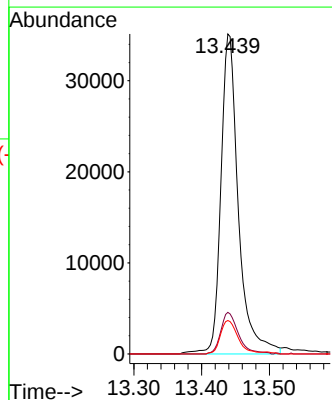
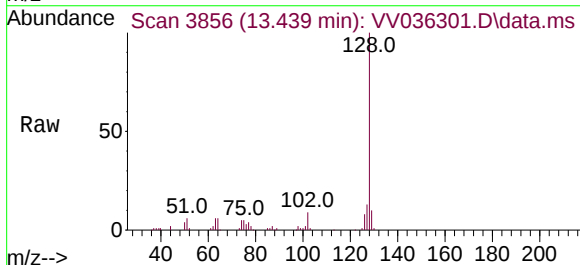
RT: 13.439 min Scan# 3856

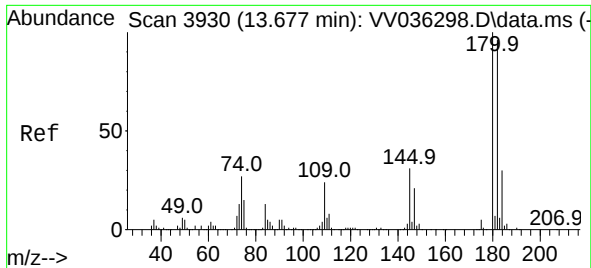
Delta R.T. 0.003 min

Lab File: VV036301.D

Acq: 27 Jun 2024 10:11

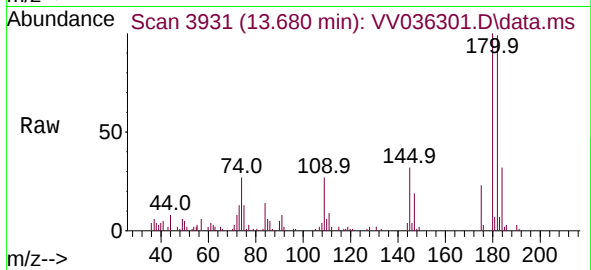
Tgt Ion:128	Resp:	62921
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.8 16.2
129	10.5	8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 2.531 ug/L
 RT: 13.680 min Scan# 3931
 Delta R.T. 0.003 min
 Lab File: VV036301.D
 Acq: 27 Jun 2024 10:11

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	17039
Ion Ratio	Lower	Upper	
180	100		
182	98.5	76.7	115.1
145	31.3	25.0	37.4

